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PATENT

#69
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Kevin P. Weldon
Kevin P. Weldon

Date: January 13, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of:)
DOUGLAS E. BISE et al.) GROUP ART UNIT 3672
Serial No. 09/888,464) CONFIRMATION NO.
Filed: June 25, 2001) Examiner:
For: MONOLITHIC ROOF BIT CUTTING) Jennifer H. Gay
BIT INSERT) January 13, 2003

HON. ASSISTANT COMMISSIONER FOR PATENTS
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Sir: AMENDMENT

In response to the Office Action mailed
July 16, 2002, please amend the above-identified application
as follows:

IN THE CLAIMS:

Claims 18, 22, 24 and 36 have been cancelled.

New claims 37-39 have been added.

Claims 5, 8, 19, 23, 25, 26 and 32 have been amended

as follows:

91 ~~Sub B1~~ 5. (Amended) The rotary drill bit of claim 2
wherein a cutting edge transition portion is positioned
between the lower step cutting edge and the upper step cutting
edge the transition portion rises a vertical height of
generally between 1/16-1/8 inches.

92 ~~Sub B1~~ 6. (Amended) The rotary drill bit of claim 6
wherein each of the stepped cutting edges has a radially
inward upper step and a radially outward lower step.

93 ~~Sub B2~~ 19. (Amended) A rotary drill bit for penetrating
earth strata, the drill bit comprising: an elongate bit body
having an axial forward end; and a monolithic hard insert
being affixed to the bit body at the axial forward end

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